

Commander First Coast Guard District One South Street Battery Park Bldg New York, NY 10004-1466 Staff Symbol: dpb Phone: 212 668-7165 Fax: 212 668-7967 Email:

16591/3.9/H/ HOUSATONIC RIVER/ CT

MAY 11 2009

Mr. Thomas A. Harley, P. E. Manager of Consultant Design Bureau of Engineering and Highway Operations Connecticut Department of Transportations 2800 Berlin Turnpike, P. O. Box 317546 Newington, CT 06131-7546

Dear Mr. Harley:

Enclosed is Bridge Permit 3-09-1 dated 4 May 2009, approving the location and construction of the (I-95) Moses Wheeler Bridge across the Housatonic River, mile 3.9, between the Town of Stratford and the City of Milford, Connecticut.

Permanent navigational lights shall be installed in accordance with Part 118 of Title 33, Code of Federal Regulations. Plans for the navigational lights should be submitted to this office for approval at an early date. Drawings showing location and arc of visibility of the lights should be shown in elevation and plan view on 8 ½" x 11" mylar sheets. Approved prints will be returned to you. Permanent navigational lighting shall be operational upon completion of bridge construction. The Coast Guard Bridge Lighting Manual may be obtained at the following website: <a href="http://www.uscg.mil/hq/cg5/cg5411/">http://www.uscg.mil/hq/cg5/cg5411/</a> (Click on Bridge Lighting Manual).

During the periods of construction, each pier, abutment or other obstruction may be required to be lighted for the safety of navigation. This office shall be contacted during construction plan development for a determination of temporary lighting needs.

This office shall be notified 30 days prior to the actual commencement and completion of the bridge work so that appropriate announcements may be prepared for our Local Notice to Mariners publication.

Anticipated closures or obstruction of the drawbridge (due to work equipment) should be coordinated with this office as early in the construction planning process as possible. Comments regarding anticipated closures should be requested of this office prior to contract bid advertisement (if practicable) so that bids will reflect viable construction plans.

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Please note conditions: four (4) in water construction seasonal restrictions, five (5) fender system of construction and six (6) removal depths for various parts of the existing bridge.

The proposed construction work is approved subject to these provisions:

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a. Preferably 30 days, but at least 14 days prior to the commencement of any work in the

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waterway, two copies of the contractor's plan, schedule, and sequence of operations, approved by your office, shall be submitted to this office for approval. In addition, a sketch of the project area shall be submitted showing the following: 1) the waterway, 2) the bridge, 3) the location of any barges or restrictions that will be placed in the water, 4) detailed description of any scaffolding or netting to be used, and 5) the placement, type, and dimensions of cofferdams, if used, with the method of screening silt from dewatering operations. The schedule should also include the daily hours of operation and should indicate whether waterborne equipment will remain in the waterway at night. The contractor will be required to comply with <u>all</u> provisions of the <u>Inland Navigation Rules</u>, copies of which are available from the Superintendent of Documents, U.S. Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250. One copy of the plan and schedule of operations, approved by this office, will be returned to you with our approval stamp and comments as appropriate.

- b. Black and white, 8 ½" x 11", glossy photographs of the completed bridge, taken from the mariner's perspective both up and downstream of the bridge, are requested for record purposes.
- c. The as-built clearances shall be certified in writing to this office by a responsible official of the permittee, a licensed surveyor or a registered professional engineer upon completing bridge work.
- d. It is the permittee's responsibility to ensure that channel depths are not affected by this work. Any material, machinery or equipment lost, dumped, thrown into, or otherwise entering the waterway must be removed immediately. If immediate removal is impractical and the object entering the waterway could possibly obstruct or hazard navigation, the object must be marked immediately to protect navigation and the Coast Guard shall be notified as soon as possible. Such notification shall give the location and type of obstruction and the navigational markings installed. Upon project completion, the permittee or registered professional engineer shall certify that the waterway depths have not been impaired and that the waterway is clear of materials or debris resulting from bridge construction.
- e. Spillage of oil and hazardous substances is specifically prohibited by Section 311 of the Clean Water Act, as amended. Measures including properly maintaining construction equipment, designating fuel/hazardous substances handling areas to allow spills to be contained before reaching the waterway, instructing personnel not to dispose of oil/hazardous substances into drains or into the waterway directly, and other necessary procedures should be implemented to prevent spillage. If oil/hazardous substances are spilled into the waterway in spite of such planning, the U.S. Coast Guard is to be notified immediately at 800-424-8802. An adequate supply of absorbent material should be readily accessible to soak up any possible spillage pending Coast Guard arrival. The use of chemical dispersing agents and emulsifiers is not authorized without prior, specific, federal approval.

f. Should archaeological resources be encountered during construction operations, the work shall cease and this office and the State Historic Preservation Office shall be consulted for possible recovery of those resources.

Should the permittee fail to ensure that the contractor complies with these requirements and should the Federal Government be required to take action for the protection of navigation, the Government reserves the right to recover the cost for such work from the permittee, the contractor, or both, as applicable.

The Government assumes no responsibility for any damages sustained or caused by the contractor's equipment or barges being anchored or moored at the aforementioned location. Also, this approval shall not act as a waiver of liability for any damage that may result from the applicant's operation.

Simoerely

Gary Kassof

Bridge Program Manager First Coast Guard District

By direction of the District Commander

Encl: 1) Copy of Bridge Permit 3-09-1 dated 4 May 2009 w/approved plans

Copy: COE New England District w/encl Sector Long Island Sound w/encl NOS, Rockville, MD w/encl NMFS, Gloucester, MA w/ encl NMFS, Milford, CT w/encl

FHWA Connecticut Division w/encl

CONNDEP w/ encl



## **BRIDGE PERMIT**

(3-09-1)

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WHEREAS by Title V of an act of Congress approved August 2, 1946, entitled "General Bridge Act of 1946," as amended (33 U.S.C. 525-533), the consent of Congress was granted for the construction, maintenance and operation of bridges and approaches thereto over the navigable waters of the United States;

AND WHEREAS the Secretary of Homeland Security has delegated the authority of Section 502(b) of that act to the Commandant, U. S. Coast Guard by Department of Homeland Security Delegation Number: 0170.1;

AND WHEREAS before construction is commenced, the Commandant must approve the location and plans of any such bridge and may impose any specific conditions relating to the construction, maintenance and operation of the structure deemed necessary in the interest of public navigation, such conditions to have the force of law;

AND WHEREAS the Commandant of the Coast Guard has further delegated to the District Commanders, by Section 1.01-60(b) of Title 33, Code of Federal Regulations, authority to issue permits for the construction, reconstruction, or alteration of bridges across navigable waters of the United States;

AND WHEREAS the - STATE OF CONNECTICUT - has submitted for approval the location and plans of a bridge to be constructed across the Housatonic River between Stratford and Milford, Connecticut;

**NOW THEREFORE**, This is to certify that the location and plan sheets 1-6, 8, 9 (of 9) dated 17 August 2006, and sheet 7 dated 3 October 2006, are hereby approved by the Commander, First Coast Guard District, subject to the following conditions:

1. No deviation from the approved plans may be made either before or after completion of the structure unless the modification of said plans has previously been submitted to and received the approval of the District Commander.

## Bridge across the Housatonic River between Stratford and Milford, Connecticut

- The construction of falsework, cofferdams or other obstructions, if required, shall be in accordance with plans submitted to and approved by the District Commander, prior to construction of the bridge. All work shall be so conducted that the free navigation of the waterway is not unreasonably interfered with and the present navigable depths are not impaired. Timely notice of any and all events that may affect navigation shall be given to the District Commander during construction of the bridge. Methods shall be employed to ensure that there will be no increases of sedimentation and turbidity in the waterway during construction. Seeding, sodding or other shall be employed for soil stabilization during construction. The channel or channels through the structure shall be promptly cleared of all obstructions placed therein or caused by the construction of the bridge to the satisfaction of the District Commander, when in the judgment of the District Commander the construction work has reached a point where such action should be taken, but in no case later than 90 days after the bridge has been opened to traffic.
- 3. Issuance of this permit does not relieve the permittee of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of the U. S. Department of Commerce, National Marine Fisheries Service, or any other federal, state or local authority having cognizance of any aspect of the location, construction or maintenance of said bridge.
- 4. In-water construction activities associated with this project shall cease in their entirety from February 1 through June 30 of each year that work on the project continues. This moratorium is intended to preclude disruption of fish migration and to keep fishery resource harms and losses to a minimum.
- 5. The pier protection fender system shall be constructed and maintained as shown on the approved plan sheets 6 (of 9) dated 7 August 2006 and sheet 7 dated 3 October 2006 for the safety of navigation.

## Bridge across the Housatonic River between Stratford and Milford, Connecticut (3-09-1)

- All parts of the existing to-be-replaced Moses Wheeler Bridge across the Housatonic River, mile 3.9, not utilized in the new bridge, except piers 1W, 2W, 3W, 4W 1E, 2E, 3E, and 4E, shall be removed to a minimum of one foot below the natural ground line or bottom of the waterway. Existing bridge piers 1W and 1E shall be removed down to elevation 24 feet below Mean Low Water or 5 feet below the channel bottom, whichever is deeper. bridge piers 2E, 3E, 4E, 2W, 3W, and 4W shall be removed to a minimum of 3 feet below the natural bottom of the waterway. waterway shall be cleared to the satisfaction of the District Commander when in the judgment of the District Commander the construction of the new bridge, mile 3.9, has reached a point where such action should be taken.
- When the proposed bridge is no transportation purposes, it shall be removed in its entirety or to an elevation deemed appropriate by the District Commander and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridge upon due notice from
- The approval hereby granted shall cease and be null and void unless construction of the bridge is commenced within three years and completed within five years after the date of this

DALE G. GABEL

Rear Admiral, U.S. Coast Guard

Commander, First Coast Guard District

















